

*PATENT*

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Abstract

A compressor is disclosed generally comprising a housing, a shaft disposed therein, and a swash plate part that is mounted at a fixed angle relative to the longitudinal axis of the shaft. In some embodiments, the swash plate part is coupled to a second, inner swash plate part via a bearing. In other embodiments, the swash plate part is coupled directly to the shaft via the bearing. The bearing is adapted to accommodate both the radial and axial loads of the compressor in order to eliminate the need for a separate thrust bearing.